

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. NM-036852
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Harvey E. Yates Company		7. UNIT AGREEMENT NAME Young Deep Unit
3. ADDRESS OF OPERATOR P. O. Box 1933, Roswell, New Mexico 88201		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FEL & 660' FSL		9. WELL NO. X 46
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 6 1/4 miles south of Maljamar, N.M.		10. FIELD AND POOL, OR WILDCAT N. Young Bone Springs
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T-18S, R-32E
16. NO. OF ACRES IN LEASE 200		12. COUNTY OR PARISH 13. STATE Lea N.M.
17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 9500'		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. PROPOSED DEPTH 9500'		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.)		22. APPROX. DATE WORK WILL START* April 20, 1981

PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#-54#	650'	Circulate
11"	8 5/8"	24#-28#	4650'	Circulate
7 7/8"	4 1/2"	11.6#	9500'	Sufficient to cover 600' above pay zone

MUD PROGRAM: 0 - 650' Spud Mud
650' - 4650' Brine Water
4650' - 9500' Fresh Water Gel

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED James E. Yates TITLE Vice President DATE April 2, 1981
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED
APPROVED BY CONDITIONS OF APPROVAL, IF ANY: (Sgt.) GEORGE H. STEWART APR 15 1981 JAMES A. GILLHAM DISTRICT SUPERVISOR

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 1-10-1
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Owner Harvey E. Yates Company			Lease Young Deep Unit			Acreage 54 5/8		
Section 0	Section 3	Township 18South	Range 32East	County Lea				
Acres of Land Located in Well: 660 South 1980 East								
Ground Level Elev Bone Springs		Producing Formation N. Young Bone Springs		Estimated Acreage 40				

- 1 Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below
- 2 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
- 3 If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated (on reverse side of this form if necessary) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Fred G. Yates

Fred G. Yates

Vice President

Harvey E. Yates Company

April 3, 1981

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief

April 3, 1981

Registered Professional Engineer
and Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6663
Ronald J. Eidson 3239

330 660 90 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940